

Tier 2 Surgery Form

1.

Date of Surgery

DD/MM/YYYY

2 Primary Cardiac Procedure

Select the patient's primary surgical procedure. If the patient has multiple operating room visits, these should be reported on additional "New Surgery Forms".

Shunt, Systemic to pulmonary, Other

Anomalous systemic venous connection

- ☐ Anomalous systemic venous connection repair

Aortic Aneurysm

- ☐ Aortic aneurysm repair

Aortic Dissection

- ☐ Aortic Dissection repair

Aortic Root Replacement

- ☐ Aortic Root Replacement, Bioprosthetic
- ☐ Aortic Root Replacement, Mechanical
- ☐ Aortic Root Replacement, Homograft
- ☐ Aortic Root Replacement, Valve sparing

Aortic Valve Disease

- ☐ Ross procedure
- ☐ Konno procedure (with and without aortic valve replacement)
- ☐ Ross Konno Procedure
- ☐ Repair of Supraaortic Stenosis
- ☐ Other aortic annular enlargement procedure
- ☐ Aortic Valve Repair

Aortic Valve Replacement

- ☐ Aortic Valve Replacement (AVR), Mechanical
- ☐ Aortic Valve Replacement (AVR), Bioprosthetic
- ☐ Aortic Valve Replacement (AVR), Homograft

AP Window

- ☐ Aorto-pulmonary (AP) window repair
- ☐ Pulmonary artery origin from ascending aorta (hemitruncus) repair

ASD

- ☐ Patent Foramen Ovale (PFO), Primary closure
- ☐ Atrial Septal Defect (ASD) repair, Primary closure
- ☐ Atrial Septal Defect (ASD) repair, Patch
- ☐ Atrial Septal Defect (ASD) repair, Device
- ☐ Atrial Septal Defect (ASD) repair, Patch + Partial anomalous pulmonary venous connection repair
- ☐ Atrial Septal Defect (ASD), Common atrium (single atrium), Septation
- ☐ Atrial Septal Defect (ASD) creation/enlargement
- ☐ Atrial Septal Fenestration
- ☐ Atrial fenestration closure
- ☐ Common atrioventricular (AV) valve Repair
- ☐ Common atrioventricular (AV) valve Replacement
- ☐ Atrioventricular (AV, AVSD) Septal Defect RE-repair (within 90 days)

Cardiomyopathy

- ☐ Transplant, Heart

- ☐ Aneurysm, Ventricular, Right, Repair
- ☐ Aneurysm, Ventricular, Left, Repair
- ☐ Aneurysm, Pulmonary artery (PA), Repair
- ☐ Cardiac tumor resection
- ☐ Pulmonary AV fistula repair/occlusion
- ☐ Ligation, Pulmonary artery (PA)
- ☐ Pulmonary embolectomy, Acute pulmonary embolus (PE)
- ☐ Pulmonary embolectomy, Chronic pulmonary embolus(PE)
- ☐ Diaphragm plication
- ☐ Procedures for Chylothoracic

Mitral Valve Disease

- ☐ Supravalvar mitral ring repair: resection
- ☐ Mitral Valve (MV) Repair (Left Atrioventricular Valve)

Mitral Valve Replacement (Left Atrioventricular Valve)

- ☐ Mitral Valve (MV) Replacement, Mechanical
- ☐ Mitral Valve (MV) Replacement, Bioprosthetic
- ☐ Mitral Valve (MV) Replacement, Homograft

Palliative Procedures

- ☐ Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)
- ☐ Shunt, Systemic to pulmonary, Central (shunt from aorta)
- ☒ **Shunt, Systemic to pulmonary, Other**
- ☐ Pulmonary Artery banding (PAB)
- ☐ Pulmonary Artery debanding
- ☐ Damus-Kaye-Stansel procedure (DKS) (creation of Aorto-pulmonary anastomosis without arch reconstruction)
- ☐ Hepatic vein to azygous vein connection, Direct or with Interposition Graft
- ☐ Kawashima operation (superior cavopulmonary connection in setting of interrupted IVC with azygous continuation)
- ☐ Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn) Re-repair (within 90 days)
- ☐ Partial Anomalous Pulmonary Venous Connection (PAPVC) Re-repair (within 90 days)

Patent Ductus Arteriosus

- ☐ Patent Ductus Arteriosus (PDA) closure, Surgical

Pericardial Disease

- ☐ Pericardial drainage procedure
- ☐ Pericardiectomy
- ☐ Pericardial procedure, Other

Pulmonary Atresia/VSD

- ☐ Pulmonary atresia - VSD (including TOF, PA) repair
- ☐ Pulmonary atresia - VSD – MAPCA repair, Complete single stage repair (1 stage that includes pulmonary unifocalization + VSD closure + RV to PA

- Transplant, Heart and lung
- Coarctation repair + Ventricular Septal Defect repair
- Aortic arch repair
- Aortic arch repair + Ventricular Septal Defect repair
- Coarctation Re-repair (within 90 days)

Conduit Operations

- Conduit placement, Right Ventricle (RV) to Pulmonary Artery (PA) (primary or reoperation)
- Conduit placement, Left Ventricle (LV) to Pulmonary Artery (PA)
- Conduit placement, Ventricle to aorta

Congenitally Corrected TGA

- Congenitally corrected Transposition of the Great Arteries (TGA) repair, Atrial switch and ASO (double switch)
- Congenitally corrected Transposition of the Great Arteries (TGA) repair, Atrial switch and Rastelli
- Congenitally corrected Transposition of the Great Arteries (TGA) repair, VSD closure
- Congenitally corrected Transposition of the Great Arteries (TGA) repair, VSD closure and Left ventricular to Pulmonary Artery conduit
- Congenitally corrected Transposition of the Great Arteries (TGA) repair, Other

Cor triatriatum

- Cor triatriatum repair

Coronary Artery Anomalies

- Coronary artery fistula ligation
- Anomalous origin of coronary artery from pulmonary artery repair (AAOCA)
- Coronary artery bypass (CABG)
- Anomalous aortic origin of coronary artery (AAOCA) repair
- Coronary artery procedure, Other

DOLV

- Double Outlet Left Ventricle repair (DOLV)

DORV

- Double Outlet Right Ventricle (DORV), Intraventricular tunnel repair

Electrophysiological

- Pacemaker implantation, Permanent
- ICD (AICD) implantation
- Arrhythmia surgery - atrial, Surgical Ablation
- Arrhythmia surgery - ventricular, Surgical Ablation

Hybrid

- Hybrid Approach "Stage 1", Application of RPA & LPA bands
- Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA)
- Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA) + application of RPA & LPA bands
- Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Aortic arch repair (Norwood [Stage 1] + Superior Cavopulmonary anastomosis(es) + PA Debanding)
- Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + Without aortic arch repair Hybrid Approach, Transcatheter balloon dilatation
- Hybrid Approach, Transcatheter balloon dilatation
- Hybrid Approach, Transcatheter transcatheter device placement
- Conduit insertion right ventricle (RV) to pulmonary artery (PA) + Intraventricular tunnel left ventricle (LV) to neoaorta + arch reconstruction (Rastelli and Norwood type arch reconstruction) (Yasui)
- Norwood procedure Re-repair (within 90 days)

connection [with or without conduit])

- Pulmonary atresia - VSD – MAPCA repair, Status post prior complete unifocalization (includes VSD closure + RV to PA connection [with or without conduit])
- Pulmonary atresia - VSD – MAPCA repair, Status post prior incomplete unifocalization (includes completion of pulmonary unifocalization + VSD closure + RV to PA connection [with or without conduit])
- Unifocalization MAPCA(s), Bilateral pulmonary unifocalization
- Unifocalization MAPCA(s), Unilateral pulmonary unifocalization

Pulmonary Valve Disease

- Pulmonary Valve (PV) Replacement, Mechanical
- Pulmonary Valve (PV) Replacement, Bioprosthetic
- Pulmonary Valve (PV) Replacement, Homograft
- Pulmonary Valve (PV) Repair

Pulmonary venous stenosis

- Pulmonary venous stenosis repair

Repair of Subaortic Stenosis

- Membrane Resection
- Myomectomy
- Extended Myomectomy

RVOT Obstruction, IVS Pulmonary Stenosis

- Right ventricular Outflow Tract (RVOT) procedure and/or Transannular patch
- 1 1/2 ventricular repair
- Pulmonary Artery (PA), reconstruction, Main
- Pulmonary Artery (PA), reconstruction, Central
- Pulmonary Artery (PA), reconstruction, Peripheral
- Double Chamber Right Ventricle (DCRV)
- Fontan revision or conversion (Re-do Fontan)
- Ventricular septation
- Fontan Re-repair (within 90 days)

Sinus of Valsalva Aneurysm

- Sinus of Valsalva, Aneurysm repair

Systemic venous obstruction

- Systemic venous stenosis repair
- Tetralogy of Fallot (TOF) repair / Atrioventricular septal defect (AVSD) repair
- Tetralogy of Fallot (TOF) - Absent pulmonary valve (PV) repair
- Tetralogy of Fallot (TOF) Re-repair (within 90 days)
- Total Anomalous Pulmonary Venous Connection (TAPVC) Re-repair (within 90 days)
- Arterial switch operation (ASO) and VSD repair
- Arterial switch procedure + Aortic arch repair
- Arterial switch procedure and VSD repair + Aortic arch repair
- Arterial switch operation (ASO) Re-repair (within 90 days)
- Senning
- Mustard
- Atrial baffle procedure, Mustard or Senning revision
- Rastelli
- Reparation A L Etage Ventriculaire (REV)
- Aortic root translocation over left ventricle (Including Nikaidoh procedure)
- Transposition of the Great Arteries (TGA), Other procedures (Kawashima, Left Ventricular to Pulmonary Artery conduit, other)
- Tricuspid Valve (TV) Replacement (Right Atrioventricular Valve)
- Tricuspid Valve (TV) Repair (Right Atrioventricular Valve)

Interrupted Arch

- ☐ Interrupted aortic arch repair

LV to Aorta Tunnel

- ☐ LV to aorta tunnel repair

Mechanical Support

- ☐ Extracorporeal membrane oxygenation (ECMO) Cannulation
- ☐ Extracorporeal membrane oxygenation (ECMO) Decannulation
- ☐ Right Heart Temporary Ventricular Assist Device (RVAD)
- ☐ Right Heart Long-Term Ventricular Assist Device (RVAD)
- ☐ Left Heart Temporary Ventricular Assist Device (LVAD)
- ☐ Left Heart Long-Term Ventricular Assist Device (LVAD)
- ☐ Total Artificial Heart (TAH)

Miscellaneous Procedures

- ☐ Ebstein's Re-repair (within 90 days)
- ☐ Truncal Valve Repair
- ☐ Truncal Valve Replacement
- ☐ Truncus + Interrupted aortic arch repair (IAA) repair
- ☐ Truncus arteriosus Re-repair (within 90 days)

Vascular Rings and Slings

- ☐ Vascular ring repair
- ☐ Aortopexy
- ☐ Pulmonary artery (PA) sling repair
- ☐ Ventricular septal patch fenestration
- ☐ Ventricular Septal Defect (VSD) Re-repair (within 90 days)

- 3. Were there any additional Cardiac Procedures during the same OR visit?**
- ☐ Yes
- ☐ No
- ☐ Unknown

3a Additional Cardiac Procedures during the same OR visit

(Check all that apply)

Anomalous systemic venous connection

- ☐ Anomalous systemic venous connection repair

Aortic Aneurysm

- ☐ Aortic aneurysm repair

Aortic Dissection

- ☐ Aortic Dissection repair

Aortic Root Replacement

- ☐ Aortic Root Replacement, Bioprosthetic
- ☐ Aortic Root Replacement, Mechanical
- ☐ Aortic Root Replacement, Homograft
- ☐ Aortic Root Replacement, Valve sparing

Aortic Valve Disease

- ☐ Ross procedure
- ☐ Konno procedure (with and without aortic valve replacement)
- ☐ Ross Konno Procedure
- ☐ Repair of Supraaortic Stenosis
- ☐ Other aortic annular enlargement procedure
- ☐ Aortic Valve Repair

Aortic Valve Replacement

- ☐ Aortic Valve Replacement (AVR), Mechanical
- ☐ Aortic Valve Replacement (AVR), Bioprosthetic
- ☐ Aortic Valve Replacement (AVR), Homograft

AP Window

- ☐ Aorto-pulmonary (AP) window repair
- ☐ Pulmonary artery origin from ascending aorta (hemitruncus) repair

ASD

- ☐ Patent Foramen Ovale (PFO), Primary closure

- ☐ Supravalvar mitral ring repair: resection
- ☐ Mitral Valve (MV) Repair (Left Atrioventricular Valve)
- Mitral Valve Replacement (Left Atrioventricular Valve)**
- ☐ Mitral Valve (MV) Replacement, Mechanical
- ☐ Mitral Valve (MV) Replacement, Bioprosthetic
- ☐ Mitral Valve (MV) Replacement, Homograft

Palliative Procedures

- ☐ Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)
- ☐ Shunt, Systemic to pulmonary, Central (shunt from aorta)
- ☐ Shunt, Systemic to pulmonary, Other
- ☐ Pulmonary Artery banding (PAB)
- ☐ Pulmonary Artery debanding
- ☐ Damus-Kaye-Stansel procedure (DKS) (creation of Aorto-pulmonary anastomosis without arch reconstruction)
- ☐ Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn)
- ☐ Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn)
- ☐ Bilateral bidirectional cavopulmonary anastomosis (BBDCPA) (bilateral bidirectional Glenn)
- ☐ Hemi-Fontan
- ☐ Hepatic vein to azygous vein connection, Direct or with Interposition Graft
- ☐ Kawashima operation (superior cavopulmonary connection in setting of interrupted IVC with azygous continuation)
- ☐ Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn) Re-repair (within 90 days)

Partial Anomalous Pulmonary Venous Connection

- ☐ Partial Anomalous Pulmonary Venous Connection (PAPVC) repair
- ☐ Partial Anomalous Pulmonary Venous Connection (PAPVC),

- ☐ Atrial Septal Defect (ASD) repair, Primary closure
- ☐ Atrial Septal Defect (ASD) repair, Patch
- ☐ Atrial Septal Defect (ASD) repair, Device
- ☐ Atrial Septal Defect (ASD) repair, Patch + Partial anomalous pulmonary venous connection repair
- ☐ Atrial Septal Defect (ASD), Common atrium (single atrium), Septation
- ☐ Atrial Septal Defect (ASD) creation/enlargement
- ☐ Atrial Septal Fenestration
- ☐ Atrial fenestration closure

AV Canal

- ☐ Atrioventricular (AV, AVSD) Septal Repair, Complete
- ☐ Atrioventricular (AV, AVSD) Septal Repair , Intermediate (Transitional)
- ☐ Atrioventricular (AV, AVSD) Septal Repair , Partial (Incomplete) (PAVSD)
- ☐ Common atrioventricular (AV) valve Repair
- ☐ Common atrioventricular (AV) valve Replacement
- ☐ Atrioventricular (AV, AVSD) Septal Defect RE-repair (within 90 days)

Cardiomyopathy

- ☐ Transplant, Heart
- ☐ Transplant, Heart and lung

Coarctation of Aorta and Aortic arch hypoplasia

- ☐ Coarctation repair, End to end
- ☐ Coarctation repair, End to end, Extended
- ☐ Coarctation repair, Subclavian flap
- ☐ Coarctation repair, Patch aortoplasty
- ☐ Coarctation repair, Interposition graft
- ☐ Coarctation repair, Other
- ☐ Coarctation repair + Ventricular Septal Defect repair
- ☐ Aortic arch repair
- ☐ Aortic arch repair + Ventricular Septal Defect repair
- ☐ Coarctation repair, Extra-anatomic Bypass
- ☐ Coarctation Re-repair (within 90 days)

Conduit Operations

- ☐ Conduit placement, Right Ventricle (RV) to Pulmonary Artery (PA) (primary or reoperation)
- ☐ Conduit placement, Left Ventricle (LV) to Pulmonary Artery (PA)
- ☐ Conduit placement, Ventricle to aorta

Congenitally Corrected TGA

- ☐ Congenitally corrected Transposition of the Great Arteries (TGA) repair, Atrial switch and ASO (double switch)
- ☐ Congenitally corrected Transposition of the Great Arteries (TGA) repair, Atrial switch and Rastelli
- ☐ Congenitally corrected Transposition of the Great Arteries (TGA) repair, VSD closure
- ☐ Congenitally corrected Transposition of the Great Arteries (TGA) repair, VSD closure and Left ventricular to Pulmonary Artery conduit
- ☐ Congenitally corrected Transposition of the Great Arteries (TGA) repair, Other

Cor triatriatum

- ☐ Cor triatriatum repair

Coronary Artery Anomalies

- ☐ Coronary artery fistula ligation
- ☐ Anomalous origin of coronary artery from pulmonary artery repair

Scimitar, Repair

- ☐ PAPVC repair, Baffle redirection to left atrium with systemic vein translocation (Warden) (SVC sewn to right atrial appendage)
- ☐ Partial Anomalous Pulmonary Venous Connection (PAPVC) Re-repair (within 90 days)

Patent Ductus Arteriosus

- ☐ Patent Ductus Arteriosus (PDA) closure, Surgical

Pericardial Disease

- ☐ Pericardial drainage procedure
- ☐ Pericardiectomy
- ☐ Pericardial procedure, Other

Pulmonary Atresia/VSD

- ☐ Pulmonary atresia - VSD (including TOF, PA) repair
- ☐ Pulmonary atresia - VSD – MAPCA repair, Complete single stage repair (1 stage that includes pulmonary unifocalization + VSD closure + RV to PA connection [with or without conduit])
- ☐ Pulmonary atresia - VSD – MAPCA repair, Status post prior complete unifocalization (includes VSD closure + RV to PA connection [with or without conduit])
- ☐ Pulmonary atresia - VSD – MAPCA repair, Status post prior incomplete unifocalization (includes completion of pulmonary unifocalization + VSD closure + RV to PA connection [with or without conduit])
- ☐ Unifocalization MAPCA(s), Bilateral pulmonary unifocalization
- ☐ Unifocalization MAPCA(s), Unilateral pulmonary unifocalization

Pulmonary Valve Disease

- ☐ Pulmonary Valve (PV) Replacement, Mechanical
- ☐ Pulmonary Valve (PV) Replacement, Bioprosthetic
- ☐ Pulmonary Valve (PV) Replacement, Homograft
- ☐ Pulmonary Valve (PV) Repair

Pulmonary venous stenosis

- ☐ Pulmonary venous stenosis repair

Repair of Subaortic Stenosis

- ☐ Membrane Resection
- ☐ Myomectomy
- ☐ Extended Myomectomy

RVOT Obstruction, IVS Pulmonary Stenosis

- ☐ Right ventricular Outflow Tract (RVOT) procedure and/or Transannular patch
- ☐ 1 1/2 ventricular repair
- ☐ Pulmonary Artery (PA), reconstruction, Main
- ☐ Pulmonary Artery (PA), reconstruction, Central
- ☐ Pulmonary Artery (PA), reconstruction, Peripheral
- ☐ Double Chamber Right Ventricle (DCRV)

Single Ventricle

- ☐ Fontan Operation (Complete Cavo-pulmonary anastomosis), Extracardiac Type: Fenestrated
- ☐ Fontan Operation (Complete Cavo-pulmonary anastomosis), Extracardiac Type: Non-fenestrated
- ☐ Fontan Operation (Complete Cavo-pulmonary anastomosis), Lateral Tunnel Type
- ☐ Fontan Operation (Complete Cavo-pulmonary anastomosis), Extra/Intra Cardiac Type
- ☐ Fontan Operation (Complete Cavo-pulmonary anastomosis), Internal Conduit Type
- ☐ Fontan Operation (Complete Cavo-pulmonary anastomosis), Other

(AAOCA)

- ☐ Coronary artery bypass (CABG)
- ☐ Anomalous aortic origin of coronary artery (AAOCA) repair
- ☐ Coronary artery procedure, Other

DOLV

- ☐ Double Outlet Left Ventricle repair (DOLV)

DORV

- ☐ Double Outlet Right Ventricle (DORV), Intraventricular tunnel repair

Electrophysiological

- ☐ Pacemaker implantation, Permanent
- ☐ ICD (AICD) implantation
- ☐ Arrhythmia surgery - atrial, Surgical Ablation
- ☐ Arrhythmia surgery - ventricular, Surgical Ablation

Hybrid

- ☐ Hybrid Approach "Stage 1", Application of RPA & LPA bands
- ☐ Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA)
- ☐ Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA) + application of RPA & LPA bands
- ☐ Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Aortic arch repair (Norwood [Stage 1] + Superior Cavopulmonary anastomosis(es) + PA Debanding)
- ☐ Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Without aortic arch repair Hybrid Approach, Transcatheter balloon dilatation
- ☐ Hybrid Approach, Transcatheter balloon dilatation
- ☐ Hybrid Approach, Transcatheter transcatheter device placement

Hypoplastic Left Heart and Related malformations

- ☐ Norwood procedure (w/mBT shunt)
- ☐ Norwood procedure (RV-PA Conduit)
- ☐ Conduit insertion right ventricle (RV) to pulmonary artery (PA) + Intraventricular tunnel left ventricle (LV) to neo-aorta + arch reconstruction (Rastelli and Norwood type arch reconstruction) (Yasui)
- ☐ Norwood procedure Re-repair (within 90 days)

Interrupted Arch

- ☐ Interrupted aortic arch repair

LV to Aorta Tunnel

- ☐ LV to aorta tunnel repair

Mechanical Support

- ☐ Extracorporeal membrane oxygenation (ECMO) Cannulation
- ☐ Extracorporeal membrane oxygenation (ECMO) Decannulation
- ☐ Right Heart Temporary Ventricular Assist Device (RVAD)
- ☐ Right Heart Long-Term Ventricular Assist Device (RVAD)
- ☐ Left Heart Temporary Ventricular Assist Device (LVAD)
- ☐ Left Heart Long-Term Ventricular Assist Device (LVAD)
- ☐ Total Artificial Heart (TAH)

Miscellaneous Procedures

- ☐ Aneurysm, Ventricular, Right, Repair
- ☐ Aneurysm, Ventricular, Left, Repair
- ☐ Aneurysm, Pulmonary artery (PA), Repair
- ☐ Cardiac tumor resection
- ☐ Pulmonary AV fistula repair/occlusion

- ☐ Fontan revision or conversion (Re-do Fontan)
- ☐ Fontan, Other
- ☐ Ventricular septation
- ☐ Fontan Re-repair (within 90 days)

Sinus of Valsalva Aneurysm

- ☐ Sinus of Valsalva, Aneurysm repair

Systemic venous obstruction

- ☐ Systemic venous stenosis repair

Tetralogy of Fallot Repair

- ☐ Tetralogy of Fallot (TOF) repair
- ☐ Tetralogy of Fallot (TOF) repair, Ventriculotomy
- ☐ Tetralogy of Fallot (TOF) repair, Transannular patch
- ☐ Tetralogy of Fallot (TOF) repair, RV-PA conduit
- ☐ Tetralogy of Fallot (TOF) repair / Atrioventricular septal defect (AVSD) repair
- ☐ Tetralogy of Fallot (TOF) - Absent pulmonary valve (PV) repair
- ☐ Tetralogy of Fallot (TOF) repair, Pulmonary Artery (PA) Reconstruction
- ☐ Tetralogy of Fallot (TOF) repair, Valvotomy
- ☐ Tetralogy of Fallot (TOF) Re-repair (within 90 days)

Total Anomalous Pulmonary Venous Connection

- ☐ Total Anomalous Pulmonary Venous Connection (TAPVC) repair
- ☐ Total Anomalous Pulmonary Venous Connection (TAPVC) Re-repair (within 90 days)

Transposition of the Great Arteries

- ☐ Arterial switch operation (ASO)
- ☐ Arterial switch operation (ASO) and VSD repair
- ☐ Arterial switch procedure + Aortic arch repair
- ☐ Arterial switch procedure and VSD repair + Aortic arch repair
- ☐ Arterial switch operation (ASO) Re-repair (within 90 days)
- ☐ Senning
- ☐ Mustard
- ☐ Atrial baffle procedure, Mustard or Senning revision
- ☐ Rastelli
- ☐ Reparation A L Etage Ventriculaire (REV)
- ☐ Aortic root translocation over left ventricle (Including Nikaidoh procedure)
- ☐ Transposition of the Great Arteries (TGA), Other procedures (Kawashima, Left Ventricular to Pulmonary Artery conduit, other)

Tricuspid Valve Disease and Ebstein's Anomaly

- ☐ Ebstein's repair
- ☐ Tricuspid Valve (TV) Replacement (Right Atrioventricular Valve)
- ☐ Tricuspid Valve (TV) Repair (Right Atrioventricular Valve)
- ☐ Ebstein's Re-repair (within 90 days)

Truncus Arteriosus

- ☐ Truncus arteriosus repair
- ☐ Truncal Valve Repair
- ☐ Truncal Valve Replacement
- ☐ Truncus + Interrupted aortic arch repair (IAA) repair
- ☐ Truncus arteriosus Re-repair (within 90 days)

Vascular Rings and Slings

- ☐ Vascular ring repair
- ☐ Aortopexy
- ☐ Pulmonary artery (PA) sling repair

- ☐ Ligation, Pulmonary artery (PA)
- ☐ Pulmonary embolectomy, Acute pulmonary embolus (PE)
- ☐ Pulmonary embolectomy, Chronic pulmonary embolus(PE)
- ☐ Diaphragm plication
- ☐ Procedures for Chylothoracic
- Mitral Valve Disease

VSD

- ☐ Ventricular Septal Defect (VSD) repair, Primary closure
- ☐ Ventricular Septal Defect (VSD) repair, Patch
- ☐ Ventricular Septal Defect (VSD) repair, Device
- ☐ Ventricular Septal Defect (VSD) , Multiple, Repair
- ☐ Ventricular Septal Defect (VSD) creation/enlargement
- ☐ Ventricular septal patch fenestration
- ☐ Ventricular Septal Defect (VSD) Re-repair (within 90 days)

4. Primary Cardiac Diagnosis

Anomalous Systemic Venous Connection

- ☐ Anomalous Systemic Venous Connection Systemic venous anomaly

Aortic Aneurysm

- ☐ Aortic aneurysm (including pseudoaneurysm)

Aortic dissection

- ☐ Aortic dissection

Aortic Valve Disease

- ☐ Aortic Valve Disease Aortic stenosis, Subvalvar
- ☐ Aortic Valve Disease Aortic stenosis, Valvar
- ☐ Aortic Valve Disease Aortic stenosis, Supravalvar
- ☐ Aortic Valve Disease Aortic valve atresia
- ☐ Aortic Valve Disease Aortic insufficiency
- ☐ Aortic Valve Disease Aortic insufficiency and aortic stenosis
- ☐ Aortic Valve Disease Aortic valve, Other

AP Window

- ☐ AP Window Aorto-pulmonary window (aortopulmonary window)
- ☐ AP Window Pulmonary artery origin from ascending aorta (hemitruncus)

ASD

- ☐ ASD, Patent oval foramen (patent foramen ovale)
- ☐ ASD Atrial Septal Defect, Secundum
- ☐ ASD Atrial Septal Defect, Venosus
- ☐ ASD: Atrial Septal Defect, Coronary Sinus
- ☐ ASD: Atrial Septal Defect, Common Atrium (single Atrium)

AV Canal

- ☐ AV Canal Atrioventricular Canal Defect, Intermediate (transitional)
- ☐ AV Canal Atrioventricular Canal Defect, Partial (incomplete) (PAVSD) (ASD, primum)
- ☐ Complete Atrioventricular Canal Defect

Cardiomyopathy

- ☐ Cardiomyopathy (including dilated, restrictive, and hypertrophic) ?
- ☐ Cardiomyopathy, End-stage congenital heart disease

Coartation of Aorta and Aortic arch hypoplasia

- ☐ Coartation of Aorta and Aortic arch hypoplasia Coarctation of aorta
- ☐ Aortic arch hypoplasia
- ☐ Coartation of Aorta and Aortic arch hypoplasia Ventricular Septal Defect + Aortic arch hypoplasia
- ☐ Coartation of Aorta and Aortic arch hypoplasia Ventricular Septal Defect + Coarctation of aorta

Conduit Failure

- ☐ Aneurysm, Ventricular, Right (including pseudoaneurysm)

Mitral Valve Disease

- ☐ Mitral Valve Disease Mitral stenosis (Annular Hypoplasia)
- ☐ Mitral Valve Disease Mitral stenosis, Subvalvar
- ☐ Mitral Valve Disease Mitral stenosis, Subvalvar, Parachute
- ☐ Mitral Valve Disease Mitral stenosis, Supravalvar mitral ring
- ☐ Mitral Valve Disease Mitral stenosis, Valvar
- ☐ Mitral Valve Disease Mitral regurgitation
- ☐ Mitral Valve Disease Mitral regurgitation and mitral stenosis
- ☐ Mitral Valve Disease Mitral valve, Other

Partial anomalous pulmonary venous connection

- ☐ Partial anomalous pulmonary venous connection (PAPVC)
- ☐ Partial anomalous pulmonary venous connection (PAPVC), scimitar

Patent ductus arteriosus

- ☐ Patent ductus arteriosus

Pulmonary atresia

- ☐ Pulmonary atresia
- ☐ Pulmonary atresia, Intact Ventricular Spetum
- ☐ Pulmonary atresia, VSD (Including TOF, PA)
- ☐ Pulmonary atresia, Ventricle Septal Defect-Multiple aorto-pulmonary collateral artery
- ☐ Pulmonary atresia MAPCA(s) (major aortopulmonary collateral[s]) (without PA-VSD)

Pulmonary Valve Disease

- ☐ Pulmonary Valve Disease Pulmonary insufficiency
- ☐ Pulmonary valve, Other
- ☐ Pulmonary Valve Disease Pulmonary insufficiency and pulmonary stenosis

Pulmonary venous stenosis

- ☐ Pulmonary venous stenosis

RVOT Obstruction and/or Pulmonary Stenosis

- ☐ RVOT Obstruction and/or Pulmonary Stenosis Pulmonary stenosis, Valvar
- ☐ RVOT Obstruction and/or Pulmonary Stenosis Pulmonary stenosis, Subvalvar
- ☐ RVOT Obstruction and/or Pulmonary Stenosis Pulmonary artery stenosis (hypoplasia), Main (trunk) (Supravalvar Stenosis)
- ☐ RVOT Obstruction and/or Pulmonary Stenosis Pulmonary artery stenosis, Branch, Central (within the hilar bifurcation)
- ☐ RVOT Obstruction and/or Pulmonary Stenosis Pulmonary artery stenosis, Branch, Peripheral (at or beyond the hilar bifurcation)

- Conduit Failure

Congenitally Corrected TGA

- Congenitally Corrected TGA Congenitally corrected Transposition of the Great Arteries, Intact Ventricular Septum
- Congenitally corrected Transposition of the Great Arteries
- Congenitally Corrected TGA Congenitally corrected Transposition of the Great Arteries, Intact Ventricular Septum-Left Ventricular Outflow Tract Obstruction

- Congenitally Corrected TGA Congenitally corrected Transposition of the Great Arteries, Ventricular Septal Defect

- Congenitally Corrected TGA Congenitally corrected Transposition of the Great Arteries, Ventricular Septal Defect-Left Ventricular Outflow Tract Obstruction

Cor triatriatum

- Cor triatriatum

Coronary Artery Anomalies

- Coronary Artery Anomalies Coronary artery anomaly, Aneurysm
- Coronary Artery Anomalies Coronary artery anomaly, Anomalous aortic origin of coronary artery (AAOCA)
- Coronary Artery Anomalies Coronary artery anomaly, Anomalous pulmonary origin (includes ALCAPA)
- Coronary Artery Anomalies Coronary artery anomaly, Fistula
- Coronary Artery Anomalies Coronary artery anomaly, Other

DOLV

- DOLV Double Outlet Left Ventricle

DORV

- DORV Double Outlet Right Ventricle
- DORV Double Outlet Right Ventricle, Atrioventricular Septal Defect
- DORV Double Outlet Right Ventricle, Intact Ventricular Septal Defect
- DORV Double Outlet Right Ventricle, Remote VSD (Uncommitted)
- DORV Double Outlet Right Ventricle, Tetralogy of Fallot type
- DORV Double Outlet Right Ventricle, Transposition of Great Arteries Type

Electrophysiological

- Arrhythmia
- Arrhythmia, atrial
- Arrhythmia, heart block
- Arrhythmia, ventricular

Hypoplastic left heart syndrome

- Hypoplastic left heart syndrome (HLHS)

Interrupted Arch

- Interrupted Arch Interrupted aortic arch
- Interrupted Arch Interrupted aortic arch + Aorto-Pulmonary window
- Interrupted Arch Interrupted aortic arch + Ventricular Septal Defect

LV to Aorta Tunnel

- LV to Aorta Tunnel Left Ventricular to aorta tunnel

Miscellaneous, Other

- Miscellaneous, Other Atrial Isomerism, Left
- Miscellaneous, Other Atrial Isomerism, Right
- Miscellaneous, Other Dextrocardia
- Miscellaneous, Other Levocardia
- Miscellaneous, Other Mesocardia
- Miscellaneous, Other Aneurysm, Pulmonary artery
- Miscellaneous, Other Prosthetic valve failure
- Miscellaneous, Other Cardiac tumor

- RVOT Obstruction and/or Pulmonary Stenosis Pulmonary artery, Discontinuous

- RVOT Obstruction and/or Pulmonary Stenosis Double Chamber Right Ventricle

Shone's syndrome

- Shone's syndrome

Shunt Failure

- Shunt Failure

Single Ventricle

- Single ventricle, Double Inlet left ventricle
- Single ventricle, Double Inlet Right Ventricle
- Single ventricle, Mitral atresia
- Single ventricle, Unbalanced Atrio-ventricular canal Defect
- Single ventricle, Heterotaxia syndrome
- Single ventricle, Other
- Single ventricle + Total anomalous pulmonary venous connection (TAPVC)
- Single ventricle, Tricuspid atresia

Sinus of Valsalva Fistula/Aneurysm

- Sinus of Valsalva Fistula/Aneurysm Sinus of Valsalva aneurysm

Systemic venous obstruction

- Systemic venous obstruction

Tetralogy of Fallot

- Tetralogy of Fallot
- Tetralogy of Fallot, Pulmonary stenosis
- Tetralogy of Fallot, complete Atrio-ventricular septal Defect
- Tetralogy of Fallot, Absent pulmonary valve

Total anomalous pulmonary venous connection

- Total anomalous pulmonary venous connection (TAPVC), Type 1 (supracardiac)
- Total anomalous pulmonary venous connection (TAPVC), Type 2 (cardiac)
- Total anomalous pulmonary venous connection (TAPVC), Type 3 (infracardiac)
- Total anomalous pulmonary venous connection (TAPVC), Type 4 (mixed)

Transposition of the Great Arteries

- Transposition of the Great Arteries, Intact Ventricular Septum-Left Ventricular Outflow Tract Obstruction
- Transposition of the Great Arteries, Ventricular Septal Defect
- Transposition of the Great Arteries, Intact Ventricular Septum
- Transposition of the Great Arteries, Ventricular Septal Defect-Left Ventricular Outflow Tract Obstruction

Tricuspid Valve Disease and Ebstein's Anomaly

- Tricuspid Valve Disease and Ebstein's Anomaly Ebstein's anomaly
- Tricuspid Valve Disease and Ebstein's Anomaly Tricuspid regurgitation, non-Ebstein's related
- Tricuspid Valve Disease and Ebstein's Anomaly Tricuspid regurgitation and tricuspid stenosis
- Tricuspid Valve Disease and Ebstein's Anomaly Tricuspid stenosis
- Tricuspid Valve Disease and Ebstein's Anomaly Tricuspid valve, Other

Truncus arteriosus

- Truncus arteriosus
- Truncus arteriosus + Interrupted aortic arch
- Truncal valve insufficiency

- ☐ Miscellaneous, Other Pulmonary vascular obstructive disease (Eisenmenger's)
- ☐ Prosthetic valve Endocarditis
- ☐ Situs inversus
- ☐ Aneurysm, Other
- ☐ Aneurysm, Ventricular, Left (including pseudoaneurysm)

Vascular rings and Slings

- ☐ Vascular rings and Slings Vascular Ring
- ☐ Vascular rings and Slings Pulmonary Artery Sling

VSD

- ☐ VSD Ventricular Septal Defect, Type 1 (Subarterial) (Supracristal) (Conal septal defect) (Infundibular)
- ☐ VSD Ventricular Septal Defect, Type 2 (Perimembranous) (Paramembranous) (Conoventricular)
- ☐ VSD Ventricular Septal Defect, Type 3 (Inlet) (AV canal type)
- ☐ VSD Ventricular Septal Defect, Type 4 (Muscular)
- ☐ VSD Ventricular Septal Defect, Type: Gerbode type (LV-RA communication)
- ☐ VSD Ventricular Septal Defect, Multiple

5.

Intraoperative Mortality

- ☐ Yes
- ☐ No